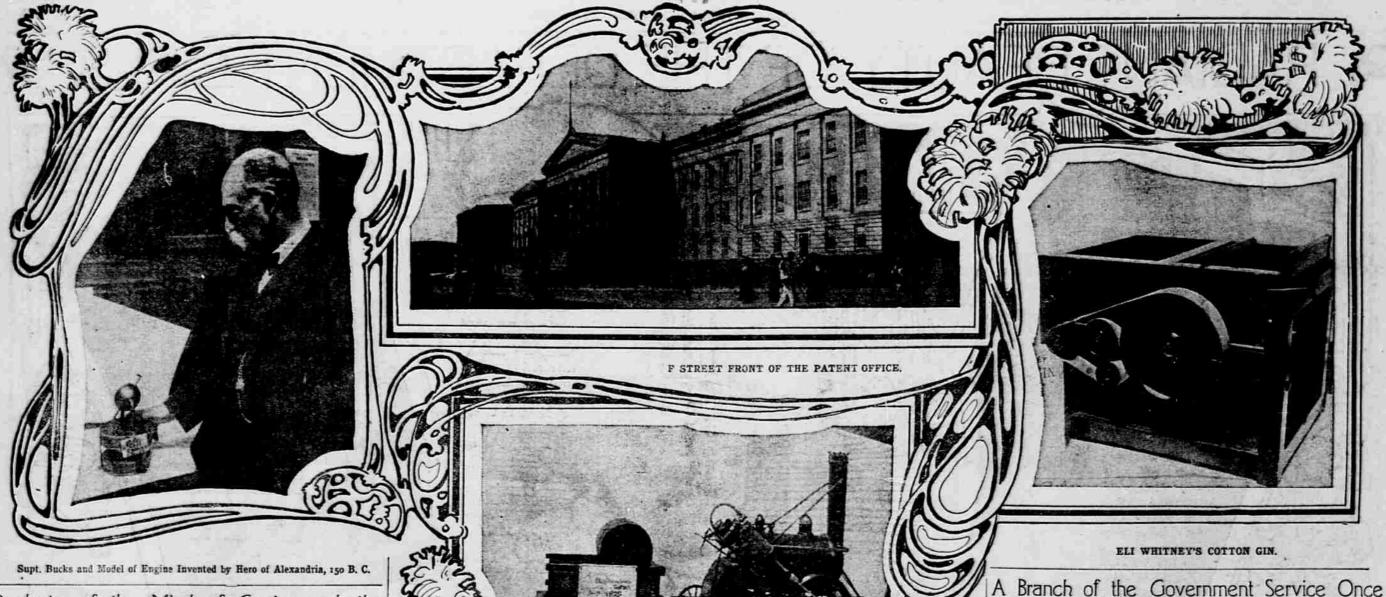
# REVOLUTIONIZED THE WORLD, BUT NOT BY THE SWORD



Products of the Mind of Genius and the Hand of Skill That Have Changed the Arts and Industries of the Universe-How the Seal of Ownership Is Set Upon Them by

the Government With Profit to Itself -- The Patent Office Balance \$5,000,000.

of the Governmental service known as the sage to Congress, in 1799, he said: Patent Office is located somewhere in "I cannot forbear intimating to you the Washington; but to the greater portion of expediency of giving effectual encouragethe population it appears as a mysterious ment as well to the introduction of new and shadowy institution, with which are and useful inventions from abroad as to associated vague ideas of the great inven- the exertion of skill and genius in protions of the age, and the fabulous wealth ducing them at home they have brought their inventors. Very Under the early laws the office was few, indeed, realize the vast good this primitive in the extreme and its operadepartment has done the country—the en- tion crude; the number of patents issued tire world, in fact-nor are they aware of did not exceed twenty per year. The ex-

which gives solely to the inventor the office and in 1870 an entire revision of right to reap the profits of his invention the statutes took place. The new laws and protects him from unscrupulous per- provided that patents should be granted sons seeking to infringe his rights, there for terms of seventeen years each, and would have been nothing to incite Howe, Edison, Morse, and many others to the efforts which brought forth their revolutionizing inventions; and the country would be far behind its present state of civilization. The steam engine would be of the laws in 1874, the prohibition of exunknown; the candle and lard-oil lamp tension was abandoned and since that would occupy the places now filled by the electric light, the acetylene lamp and the Welstrich gas-burner; and the loom and spinning-wheel would still be found in

#### every household. A Profitable Institution.

From a monetary standpoint, the Patent the new law, Office is far in advance of the other Government departments. Not only does it entirely pay its expenses, a thing which cannot be said of any other national in- the Patent Office, then in the first years stitution, but it has to its credit in the of its life, endured a strenuous existence Treasury a surplus of more than \$5,000,- At first it was moved about from place to

the large revenues which it annually act figures cannot be fixed, owing to fires which destroyed the early records. Nu-Without the Patent Office Department, tended to improve the conditions of the Congress has not extended a patent under

light which characterized him, cred generally as a department without

merous patent acts have been passed which prohibited the extension of those granted subsequent to the act. Prior to this time granted for terms of fourteen years with an extension of seven years upon a proper showing by the inventor. By a revision time Congress has had the power to prolong the life of a patent, provided it can he shown that the inventor, through no fault of his own, has been denied the profit of his invention. As yet, however

In the early part of the last century place, looked after by the few persons Weshington, with that won- who could find time to do so, and consid-

### Led a Strenuous Life.

there we shall as a department without of some considered of the office.

The proportion of colored inventors is due to credit for the institution of which the Government would be much ufficient importance to warrant the ap- in 1819 the first provision for its the "Keeper of Patents." This building is also small. Among them is Henry

coung institution was not considered of of the office.

etter off. In a report of the Register of propriation of money to pay the salaries permanent accommodation was made. tion of female inventors in small, althe Tressury for 1863 there is a state- of the men connected with it. These were, Congress purchased a building known as though some of the patents issued to them | before Edison was born. It may thus be-

THE MODEL HALL

nent from which it would appear that the no doubt, paid a percentage of the receipts "Hodgert's Hotel" to be used as a general postoffice with a space reserved for tions. The proportion of colored inventors as the original invention which bring for-

Treated With Indifference and Neglect, But Now Considered One of the Most Important and Valuable-Formerly Without Habitation or Home, Its Extensive Quarters Now Too Contracted for Its Work.

cupied the site now covered by the Blair, of Maryland, who invented one of south front of the Land Office. Patent Office was once more homeless. An

rapidly progressing on a structure to be sed solely by the Patent Office. This was ompleted in 1840. During the intervening four years, the department found refuge

in the City Hall. Larger Quarters Needed.

Although additions have been made to Patent Office is sadly in need of larger quarters. Since 1816 the number of emdrawing scarcely more than \$1,500 in all, 1900, were paid more than half a million is highly necessary that the man occupydollars for their services. This large ing this responsible position should force is crowded into a space hardly adequate to accommodate more than twoof the interesting models, including that torneys, never easy at best, but it enof Abraham Lincoln's invention, a device | dangers the interests of inventors. for raising sunken ships, are crowded away in another building. Several bills have been introduced into Congress to provide a new building, but as yet nothing definite has been accomplished.

#### Nearing the Million Mark.

On January 1, 1901, nearly 700,000 patents had been issued. Of these, about one-sixth were granted to women, from which it will be seen that the propor-

the first practical corn planters. Some In 1836, the building, mysteriously tak- time before the civil war a slave owner ng fire, burned to the ground and the of Mississippi applied for a patent on an invention belonging to one of his slaves, appropriation had already been made for but the Attorney General held that the a new building, however, and work was invention of a slave, though it be new and useful, could not be patented

#### Defects in the Practice.

Although the parent practice is far in advance of what it was some years ago, it still contains many defects. One of the most evident is the ruling which makes it the building from time to time, and it possible for an application to remain in low occupies an entire city block, the the office for one year without being acted upon by the inventor. As a result the examiners' rooms are crowded with rejected applications which are awaiting the action of their inventors.

Another faulty practice is the frequent to nearly 700 men and women, who, in change of Commissioners of Patents. It thoroughly familiar with the practice of the office, yet a new Commissioner is appointed every few years. Not only does thirds their number. As a result, many this render harder the work of patent at-

### Edison Heads the List.

Among the great men who have obtained United States patents are Edison, who has been granted 748, the largest number issued to any one man; Westinghouse, 239, and Maxim, 146. A large number of the important inventions of latter days are merely improvements on previous efforts along the same lines. Fo instance, Marconi was not the discovere of wireless telegraphy. Howe did not fire invent the sewing machine, and the prin .

## COMMENT FROM THE NOTEBOOK OF A GIRL WHO LTHOUGH there is less dancing without the faintest embarrassment in in a white frock (with or without blue an occasional theater party and restau- then I catch a glimpse of young Mrs

springtime than before the penishing and long in a chorus. The despringtime than before the penishing and long in a chorus. The despringtime than before the penishing tential season which caused us continuous tential season which caused us girls and boys to lay aside our light fangirls and boys to lay aside our light fancoutles, and away we so to the captivate. By the cause my only, nag—she's a less that comes of Metropolitan and coswe have been making the most of our liming measures of the waltz. Rosier and borhood's nerves and amidst the executive of constituted dancing girl or dancing man it is as natural to skip about in the gay is as natural to skip about the first of the music and the music or to take one's breakfast.

we have, therefore, westerness the test invitations that have thus far come to us go around. "Good for you, Clara," says ever, some really creditable amateur taltalian in the dreamy walks, or parties. "that was great!" ent, and the study of harmony in any to Join in the dreamy waltz, or partici- Charlie, "that was great!" that some thoughtful host or hostess will conducted because of the leader's luck of open a ballroom for a final prance before what would seem to be the chronic affective either professional singers or that small feel myself emancipated from the obligation. The receival ballrooms in town that need air. ning to and fro, stamping the foot and experience. There are several such laing and there is a city nothing the marier chapping the hands. This leader seems dies in Washington society, notably Mrs. which are so very becoming There is, of course, a system to be pur-

sucd in dancing as in everything older no clever girl or man ever accepts a pariner for the cotillien without mature deliberation. The partner must needs be sympathotic and sufficiently conversational: his step must suit mine, and mine his. It scarcely pays to take any chances. I and ended by getting entangled in my good-will toward all. airy train, from which he was only extri-

going on in Washington in the commemoration of the mud pies of our ribbons) and join in a chorus. The de-rant support to follow. We girls spend James G. Blaine, on from New York to We have, therefore, welcomed the few music stops and my head continues to contralto-possibly both. There is, how-

seems couleur de rose. During a success- the stilly night." once wreeked an evening at a cotiffice by have made behind my back and my inti- Palliser has sung in private at the White Margnerite Cassini and Mira habet May, in the daytime than what I drape myself man from a certain foreign country. He to my face-from which I conclude that giving her coon songs in public. I don't muller, and Mrs. Van Reusselace Cruzer, and the occasional dance. There is no smashed me periodically in the chest, dancing is not only a healthful exercise know which I enjoyed more. Miss Pal- the violets of Miss Tewnsond and the such thing as a fresh ball dress in my lamed my right arm, stepped on my toes but a moral agent for the diffusion of liser possesses as great vitality as the reses of Mrs. Chatfield-Taylor-oll these wandrobe, but there are plenty of fluffy

cated after be had torn a breadth or so am not "musical," I really think that if and range, and yet both affect me in pre- Miss After Reservedt driving with some afterd a picule or a garden party or a of chiffen. That is why I have applied I continue to go out in the afternoon and cisely the same way as singers who have of her young girl friends and looking very ecuntry club or Chevy Chase afternoon my system at resent dances; my partner to be asked about after dinner I shall "a message" for the world and who sing trim in her favorite color, dark blue, tea than I am to figure in any unexpected and I have usually attended the same become so, for the amount of music, vo- like the birds because they can't help She is an expert at handling the reins, ectilion, at the came time, I could make dancing school; we know each other's cal and instrumental, to be heard around themselves. step backwards, a strong right (Ameri- Washington is really phenomenal, and it Life is, however, by no means all music drivecan) arm sustains me, and we call each is, incidentally, quite time for me to dis- or dancing or going out to ladies' lunch- foreign-looking cart, are among the other of a permile spring sauterie at a certain

course we girls expect to dance when we least agree with the dictum that every. Legation, Muse. Moncheuri dinner exercise is the best thing in the rield to treatment and development. On all the pretty women, and the smart after the formal comes the informal; world for the circulation. The blood is the contrary, there are incipient singing woman, or both, in their spring toggery - after winter garments all the precity, light quickened, the spirits exhibit exhibit exhibits exhibit the voices that should be suppressed, if one which is usually capped by a floral head siry things we women can put on for world looks brighter and everything may judge by occasional discords "oft in piece-for this is the time of the season

ful cotillion I can cherfully forgive my Recently there have been two great joyed. The wonderful thats of same of the party; I am, therefore, to tell the truth, nequalitances all the criticisms they treats in the musical way: Miss Esther | youthful belies, notably the Countess | paying far more attention to what I wear coon song comedienne, and a beautifully appear and disappear like an acrial things to wear out of doors, formally and

meeting is over and that there is nothing people? Compare the labored progress to keep me from the other end of the up and down overcrowded Fifth Avenue occasional Tuesday or Thursday, when I some hospitable country house, and yet inner and music and cards, and of and their acquaintances. I do not in the of that charming bride of the Belgia: a good contrast to a day in the country are asked out after Lent. You see, after- body has a singing voice if they will only As I either driverer an driver, I pass ing like a little dinner in the country

when the afternoon parade is most onother "Clara" and "Charlie" for short, cover that I have a voice, array myself cons and men and women dinners, with attractive figures of the drive. Now and embassy.

The season is now suburban, and no inopen a ballroom for a land prance before taken and the case of the season is now suburban, and no interest all thought of spring and taken and everything to be lost in runcases a stated and everything to be lost in runcases of that small thought of spring and atvices perfected by close study and long
the season is now suburban, and no intending "days." There are
vices perfected by close study and long
the season is now suburban, and no intending "days." There are
vices perfected by close study and long
the season is now suburban, and no intending "days." There are have the Victoria, get myself up in a the dinner invitations extend well into gure of himself and of us-so much the Stilson Hutchins, Mrs. Nayes, and Miss emart taffets, and put on my big half- Mny at town houses, and theater parties with the sky parlors at the New Willard, where such successful collisions have taken and the shaded plak better. The fact is that a little duncing and their takent is an excellent antidote to sitting through and the shaded plak better. The fact is that a little duncing equal source of pleasure to themselves of that charming bridged the best of that charming bridged the continuation an evening is town makes or else after a day in town there is nothspring and early summer, after the indoor feativities the promise of the garden confiding myself to an alleged dancing mate enemies everything they have said House musical, and May Irwin has been the blcoming chapters of Mme. Hengel- in for dinner and music and theatergoing Although in one sense of the word I cultivated voice of great natural beauty garden on route. And I competitive para informally, and I am far better fitted to and enjoys nothing more than a brisk myself presentable if "expected," and my The Misses Warder, in their foot gres a tapping as I hear the rumor

N this country, as in Europe, the still preserved among the pensantry of

April time or the merry May time as it is to seek the sumshine in the morning aration of cleaving space in the move.

April time or the merry May time as it of champagne in the music and the exhiltence of the season can there be found such a the cuckoo's song has been the subject of the season can there be found such a the cuckoo's song has been the subject of the season can there be found such a the cuckoo's song has been the subject of the season can there be found such a the cuckoo's song has been the subject of the season can there be found such a the cuckoo's song has been the subject of the season can there be found such as the cuckoo's song has been the subject of the season can there be found such as the cuckoo's song has been the subject of the season can there be found such as the cuckoo's song has been the subject of the season can there be found such as the cuckoo's song has been the subject of the season can there be found such as the cuckoo's song has been the subject of the season can there be found such as the cuckoo's song has been the subject of the season can there be found such as the cuckoo's song has been the subject of the season can there be found such as the cuckoo's song has been the subject of the season can there be found such as the cuckoo's song has been the cuckoo's ment. "Thanks, Charlie," says I, as the being ranked as either a soprano or a ning, I am glad, on the whole, that the combination of good roadways and nice the quaintest beliefs imaginable. In a certain county in England the peasants be-Here that whatever they are doing the town. I put on my best tailor-made, and with this free circulation and firm ser- first time they hear the cuckoo, they will A recent cotillion was all the better event can do no one any harm. I must what Charlie calls my billy cock hat one vice. Why, as Charlie says, it "isn't in do most frequently all the year; and furthermore, that an unmarried person will remain single as many years as the cuckoo, when first heard, utters its call, There is a curious legend among the Danes regarding the cuckeo, When in early springtime the voice of the cuckoo Englishis first heard in the woods, every village girl kisses her hand and asks the ques-Cons "Cuckoo, cuckoo, when shall I he married?" and the old folks, borne down with age and rheumatism, inquire, "Cuckoo, cuckoo, when shall I be released. from this world's carea?" The bird, in answer, continues singing "Cuckoo" as many times as years will elapse before the object of their desires will come to pass. But as some people live to an advanced age, and many girls die old maids, the poor bird has so much to do in answering the questions put to her that the building season goes by; she has no time to make her nest, but lays her eggs

in that of the hedgesparrow. The cuckoo was often celebrated in the medieval poetry of all ages and all languages, and was looked upon as possessing nection with spring, which is ascribed, no some parts it seems to have been an article of belief that it was one of the gods who took the form of the bird, and it was considered a crime to kill it. Its soporen most singular quality in this superstitious | It is the popular belief in some places fore was the power of telling how long that the cuckoo always makes its first COUSIN CLARA. | people would live, the faith in which is appearance on the 21st of April.

cuckoo bird is the herald of the late many parts of Germany and the north of spring, as it is the merriest songster Europe

of summer. In America, from The cuckoo is the subject of the oldest tastic pumps and slippers, I must say that the couples, and away we go to the captivation bers at the expense of the entire neighbors, I must say that the couples, and away we go to the captivation bers at the expense of the entire neighbors, I must say the expense of the entire neighbors, I must the cow-bird, carries his tinkling note century, and remarkable for being accompanied with musical notes, and being stition have placed so many interpreta- the earliest sample of English secular

music. The words are as follows: Sumer is icumen in, Lhude sing Cuccu; Groweth sed, and bloweth med, And springeth the wde nu. Sing Cuccu,

Awe bleteth after lomb, Lhouth after calve cu; Bulluc sterioth, bucke verteth; Muric sing Cuccu,

Cuccu, Cuccu. Wel singes thu, Cuccu; No swik thu naver au."

Which may be interpreted in modern

Lond stry the soot Growthe seed and blooms the mead, And symmetric the wood new, Sing Curken, The ewe bleats after the lamb, The cow loss after the call; The bullock lears, the back verts, • Merrily sing Cuckoo.

Cuckos, Cuckos, Well singest thou, Cuckos; Cease thou never to sing, Cuckos,

There to the fern. It will be remembered that there is a omewhat similar kind of song in Shakeapeare's "Lave's Labor Lest," where spring is "maintained by the cuckoo," It was the spring, indeed, and not the summer, that the cuckoo was considered to represent in the Middle Ages. There is an doubt incorrectly, to Bede, in which the euckoo is called upon to awake because the spring had arrived:

Tempus adest veris, cuculus, modo rumpe